

IN THE CLAIMS:

Please AMEND the claims and ADD new claims as indicated below:

1. (CURRENTLY AMENDED) A WDM (Wavelength Division Multiplex) terminal device located in a WDM network, ~~through which a plurality of client signals are transmitted with their wavelengths being multiplexed,~~ said WDM terminal device comprising:

a first compensator that collectively optically compensates dispersion of each wavelength of a first plurality of wavelength division multiplexed optical client signals ~~received through the WDM network with their wavelengths being multiplexed;~~

a transmission amplifier that collectively adjusts levels of said first plurality of wavelength division multiplexed optical client signals; and

a multiplexing unit that receives the first plurality of wavelength division multiplexed optical client signals as a WDM signal, and individually receives at least one other optical client signal provided to the multiplexing unit through at least one transponder, and that wavelength division multiplexes together the received WDM signal and the individually received at least one other optical client signal, to thereby output a wavelength division multiplexed light which comprises the first plurality of optical client signals and the individually received at least one other optical client signals~~a wavelength of a client signal having a single wavelength or a wavelength of at least one of a second plurality of client signals whose wavelengths are multiplexed, to wavelengths of said first plurality of client signals, and transmits said first plurality of client signals.~~

2. (CURRENTLY AMENDED) The WDM terminal device as claimed in claim 1, further comprising:

a second compensator that receives a wavelength division multiplexed signal comprising a second plurality of optical client signals and a third plurality of optical client signals, and collectively compensates dispersion of the second plurality of optical client signals and the third plurality of optical client signals in the wavelength division multiplexed signal;

a reception amplifier that collectively adjusts levels of the second plurality of optical client signals and the third plurality of optical client signals in the wavelength division multiplexed signal; and

a separating unit that receives the wavelength division multiplexed signal comprising the second plurality of optical client signals and the third plurality of optical client signals, separates ~~a the third second plurality of optical client signals to be transmitted to one place, from a fourth~~

~~the third plurality of optical client signals received with their wavelengths being multiplexed, while keeping wavelengths of said third~~ the second plurality of optical client signals multiplexed together;

~~a second compensator that collectively compensates dispersion of each wavelength of said third plurality of client signals; and~~

~~a reception amplifier that collectively adjusts levels of said third plurality of client signals, wherein said the separating unit transmits said third~~ the separated second plurality of optical client signals to said one a place which is different from where the third plurality of optical client signals is transmitted, while keeping the wavelengths of said third the second plurality of optical client signals multiplexed.

3. (CANCELED)

4. (CANCELED)

5. (CANCELED)

6. (CURRENTLY AMENDED) A WDM-ADM device located in a WDM network, ~~through which a plurality of client signals are transmitted with their wavelengths being multiplexed,~~ said WDM-ADM device comprising:

a first compensator that collectively optically compensates dispersion of each wavelength of a first plurality of wavelength division multiplexed optical ~~client signals received through the WDM network with their wavelengths being multiplexed;~~

a transmission amplifier that collectively adjusts levels of said first plurality of wavelength division multiplexed optical client signals; and

an adding unit that receives the first plurality of wavelength division multiplexed optical client signals as a WDM signal, and individually receives at least one other optical client signal provided to the adding unit through at least one transponder, and that adds together the received WDM signal and the individually received at least one other optical client signals ~~said first plurality of client signals to a second plurality of client signals whose wavelengths are multiplexed, keeping the wavelengths of said first plurality of client signals multiplexed, and transmits said second plurality of client signals.~~

7. (CURRENTLY AMENDED) The WDM-ADM device as claimed in claim 6, further comprising:

a second compensator that receives a wavelength division multiplexed signal comprising

a second plurality of optical client signals and a third plurality of optical client signals, and collectively compensates dispersion of the second plurality of optical client signals and the third plurality of optical client signals in the wavelength division multiplexed signal;

a reception amplifier that collectively adjusts levels of the second plurality of optical client signals and the third plurality of optical client signals in the wavelength division multiplexed signal; and

a dropping unit that receives the wavelength division multiplexed signal comprising the second plurality of optical client signals and the third plurality of optical client signals, drops a ~~third~~the second plurality of optical client signals to be transmitted to one place, from a fourth the third plurality of optical client signals received with their wavelengths being multiplexed, keeping wavelengths of said ~~third~~the second plurality of optical client signals multiplexed together;

~~a second compensator that collectively compensates dispersion of each wavelength of said third plurality of client signals; and~~

~~a reception amplifier that collectively adjusts levels of said third plurality of client signals,~~
wherein ~~said the~~ dropping unit transmits ~~said ~~third~~the dropped second plurality of optical client signals to said one a place which is different from where the third plurality of optical client signals is transmitted, while with keeping the wavelengths of said ~~third~~the second plurality of optical client signals being multiplexed.~~

8. (NEW) An apparatus comprising:

a multiplexing unit that receives a plurality of wavelength division multiplexed optical client signals as a WDM signal, and individually receives at least one other optical client signal provided to the multiplexing unit through at least one transponder, and wavelength division multiplexes together the received WDM signal and the individually received at least one other optical client signal, to thereby output a wavelength division multiplexed light which comprises the plurality of optical client signals and the individually received at least one other optical client signal.

9. (NEW) An apparatus as in claim 8, further comprising:

an amplifier collectively optically amplifying the plurality of wavelength division multiplexed optical client signals as the WDM signal, before the WDM signal is received by the multiplexing unit.

10. (NEW) An apparatus as in claim 8, further comprising:

a dispersion compensator collectively compensating for dispersion of the plurality of wavelength division multiplexed optical client signals as the WDM signal, before the WDM signal is received by the multiplexing unit.

11. (NEW) An apparatus as in claim 9, further comprising:

a dispersion compensator collectively compensating for dispersion of the plurality of wavelength division multiplexed optical client signals as the WDM signal, before the WDM signal is received by the multiplexing unit.